

**California Department of Transportation
Stormwater Management Program
District 11 Work Plan**

Fiscal Year

2018-2019

CTSW-RT-17-316.11.1



California Department of Transportation
Division of Environmental Analysis
Stormwater Management Program
4050 Taylor Street, San Diego, California 92110

<http://www.dot.ca.gov/hq/env/stormwater>

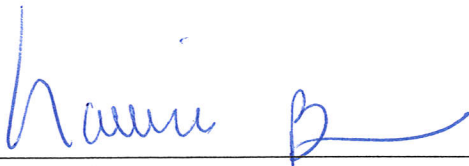
October 1, 2017



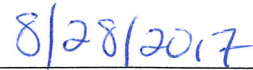
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**California Department of Transportation
District 11 Certification
District Work Plan 2018-19**

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment of knowing violations. [40 CFR 122.22(d)]

A handwritten signature in blue ink, appearing to read "Laurie Berman", written over a horizontal line.

Laurie Berman, District Director

A handwritten date "8/28/2017" in blue ink, written over a horizontal line.

Date

District 11

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1 Introduction

General Information about the District Work Plan

The District Work Plans (DWPs) describe the organization of each California Department of Transportation (Caltrans) District's stormwater program and outline the planned stormwater activities for the upcoming fiscal year. They are prepared and submitted on October 1 each year. Since the DWP is District-specific, each Regional Water Quality Control Board (RWQCB or Regional Board) is provided a copy of the DWPs relevant to their jurisdiction.

This DWP presents information about District 11's water bodies, Best Management Practices (BMPs), and monitoring programs. It describes how the District will specifically implement the requirements of the Statewide Stormwater Management Plan (SWMP) during fiscal year 2018-19. Implementation activities will be conducted in accordance with the procedures presented in the SWMP. In addition, this DWP fulfills Provision E.3.b of the *National Pollutant Discharge Elimination System (NPDES) Statewide Storm Water Permit Waste Discharge Requirements (WDRs) for State of California Department of Transportation* (Order Number 2012-0011-DWQ, NPDES Number CAS000003, Effective July 1, 2013) (NPDES Permit). The NPDES Permit was amended by Orders WQ 2014-0006-EXEC (January 17, 2014), WQ 2014-007-DWQ (May 20, 2014), and WQ 2015-0036-EXEC (April 7, 2015). A conformed NPDES Permit was issued on April 7, 2015 (Conformed NPDES Permit), available on the California State Water Resources Control Board's (SWRCB) website:

http://www.waterboards.ca.gov/board_decisions/adopted_orders/water_quality/2012/wq2012_0011_dwq_conformed_signed.pdf

The DWP's eight sections describe how the District plans to implement the stormwater program during the upcoming fiscal year. Section 1 introduces the DWP, describes its organizational structure, and identifies the key goals and commitments made by the District for the upcoming fiscal year. Section 2 describes the personnel with stormwater operations responsibilities in the District. In Section 3, the District's facilities are listed and categorized by type and location. Section 4 describes and identifies the high-risk locations where spills from the District's owned rights-of-way, roadways, or facilities can discharge directly to a drinking water reservoir or groundwater recharge facility. In Section 5, the District's road segments that are prone to erosion are identified. Section 6 summarizes the District's implementation activities, including projects that will be in the design and construction phases during the fiscal year, maintenance projects, and planned stormwater monitoring activities. Section 7 identifies the planned region-specific activities (if applicable) to address the requirements listed in Attachment V of the Conformed NPDES Permit. Section 8 identifies deviations that occurred from the prior DWP that resulted or will result in noncompliance with the Conformed NPDES Permit or SWMP and describes improvements performed in response to the incidents of noncompliance.

District Goals and Commitments

The goals for District 11 consist of the following:

- Utilizing the Caltrans Stormwater Portal on a consistent and regular basis to the full capacity for which it was intended. Staff uses the Portal as a centralized, web-based, comprehensive mapping and tracking stormwater tool to help facilitate data collection, tracking, and reporting required by the Stormwater Permit.
- Continue to implement the requirement of the Construction General Permit (CGP), and the NPDES Permit to ensure that all of the projects implement the appropriate temporary and/or permanent BMPs.

- Enhancing BMP implementation, using lessons learned to improve future designs and make modifications to recently installed BMPs.
- Continue improving strategies for compliance monitoring to fulfill Stormwater Permit requirement.
- The NPDES Unit will ensure that other District units such as Planning, Design, Construction, and Permits are informed of the Caltrans NPDES Permit requirements and provide sufficient guidance to achieve compliance.
- Increasing communication, collaboration, and coordination with RWQCB to have a better understanding of the future requirements of the Total Maximum Daily Load (TMDL) by holding meetings and continuing to facilitate conversation with the RWQCB and various branches within the District to ensure compliance with the Stormwater and TMDL requirements.
- Collectively work with RWQCB to minimize the department's exposure in Investigative Order (IO).
- Continue partnering with the Local Municipal Separate Storm Water Sewer System (MS4s) and various local and stormwater agencies.
- The NPDES Unit is working with the Geographic Information System (GIS) unit to develop and operate a GIS-based Treatment BMP log application for internal Caltrans use. The application will be developed and ultimately include specific location and watershed information, treatment BMP as-builts, individual photographs of each BMP, and other water quality-related design features.
- Committing to educate contractors, consultants, the public, and other stakeholders to reduce stormwater runoff pollution.

2 District Personnel and Responsibilities

Section 2 of the DWP describes positions, addresses, and telephone numbers of personnel with responsibilities for stormwater operations within the District. This section also identifies positions having signatory authority for various notifications or documents required for submittal by a District (e.g., Project Registration Documents, including Notices of Intents or NOIs).

District NPDES Stormwater Coordinator

Under the general direction of the District NPDES Stormwater Branch Chief, the NPDES stormwater coordinators, maintenance coordinators, engineers, and/or landscape architects are responsible for ensuring compliance with the District stormwater quality policies. The specific stormwater tasks for which the Stormwater Coordinators are responsible include the following:

- Coordination of stormwater management issues with each functional unit and with other MS4 agencies to discuss challenges or concerns and distribute new stormwater information.
- Regular communications with representatives of the RWQCB, including reporting instances of noncompliance, submitting applications for individual NPDES permits, IO, and other compliance documents.
- Work with the RWQCB as the point of contact for other Board matters (e.g., groundwater extraction, 401 Certification overlaps, etc.).
- Serving as the point of contact regarding implementation of the SWMP and the annual Caltrans Stormwater Management Program DWP.
- Preparing the District Annual Report and DWP in coordination with other District Stormwater functional areas.
- Receiving and responding to public inquiries made to the District regarding stormwater management issues.
- Coordinating, tracking, and reporting the District's response to illegal connections/illicit discharges (IC/IDs) and non-permitted non-stormwater discharges.
- Reporting noncompliance occurrences to the RWQCB.
- Responding to Notices of Violation and/or enforcement actions issued by the RWQCB.
- Providing stormwater quality language to be included in Project Reports and contracts, provide the Project Engineer with specifications recommendation and stormwater contracts item fees.
- Review Stormwater Data Reports (SWDR), contract Plans, Specifications, and Estimate (PS&E) for inclusion of permanent erosion and sediment control measures, including permanent stormwater treatment measures that are designed to improve or minimize a project's water quality impacts.
- Reviewing Water Quality Assessment Report to fulfill the requirements of the California Environmental Quality Act/National Environmental Policy Act (CEQA/NEPA) to identify potential water quality impacts/benefits associated with the proposed project.
- Proposing, developing, and managing stormwater monitoring programs for waterbodies described in Attachment IV of the Caltrans NPDES Permit and in coordination with the Headquarters Environmental Program.
- Representing the District in Water Quality Storm Water Advisory Team (SWAT) and Project Design SWAT meetings as identified in the SWMP.
- Participating in meetings and coordinating activities with local Municipal MS4 stakeholders.

- Assisting the District and Headquarters Stormwater functional units in prioritizing, monitoring, tracking, and evaluating stormwater resources, activities, and operations.
- Ensuring that the District staff are updated with the Caltrans NPDES Permit requirements and provide adequate guidance to achieve compliance. This will include the TMDL program, SWMP, Project Planning and Design Guidance and SWDR.
- Preparing monthly stormwater reports for Caltrans NPDES Permit and Construction compliance tracking.
- Assisting in the development of new specifications, details, and guidance materials related to stormwater/non-stormwater discharges and waste management.
- Evaluating and recommending permanent control and treatment measures to address project stormwater impacts and compliance requirements.
- Assisting in the preparation of contract specifications and estimates to address the development of Storm Water Pollution Prevention Plans (SWPPP)/Water Pollution Control Programs (WPCP).
- Reviewing the Infiltration Reports using the T-1 Infiltration Tool to document compliance with the project's post-construction runoff requirements (hydro-modification), if required.
- Reviewing the Project Risk Level Determination for SWPPP projects as required by the California Statewide CGP.
- Assisting with the review of the Rapid Stream Stability Assessment documentation for projects subject to that requirement under the Caltrans NPDES Permit.
- Assisting the District and Headquarters with tracking and incorporating BMPs to comply with TMDL Compliance Units as described in Attachment IV of the Caltrans NPDES Permit.
- Attending Project Development Team meetings, Constructability meetings, and coordinating with other Divisions to promote water quality improvement and implementation of BMPs.
- Assist the District Permits Branch in evaluating water quality impacts and requirements of the encroachment permit application.
- Act as the primary liaison and single point of contact on stormwater issues between the District, Headquarters, and other agencies.
- Coordination the needs and programming associated with the State Highway Operation Protection Plan Program.

Environmental Construction Liaison

The tasks of the Environmental Construction Liaison include the following:

- Assist the environmental compliance staff with overseeing construction activities with environmental permits, regulations, and conditions to ensure the environmental requirements are complied with and thoroughly documented.
- Participate in the preparation of project-specific Environmental Commitment Records. Ensure commitments are complied with as project progresses in construction.
- Evaluate stormwater impacts during CEQA/NEPA screenings.
- Consult with the NPDES/Stormwater Unit on project activity through the life of the project with related NPDES permit and stormwater quality issues.

Maintenance Coordinator

The Maintenance Stormwater Coordinator is responsible for communicating with Maintenance management and staff regarding the implementation of maintenance-related sections of the SWMP and DWP. The specific stormwater tasks of the Maintenance Stormwater Coordinator include the following:

- Overseeing the implementation of proper maintenance BMPs when conducting maintenance activities to ensure compliance with CGP, Caltrans NPDES Permit, and the SWMP.
- Conducting Facility Pollution Prevention Plan (FPPP) inspections and preparing reports.
- Representing the District for the Maintenance SWAT meetings.
- Reviewing District projects to ensure maintainability of stormwater measures upon completion of construction.
- Coordinating all stormwater training for Maintenance Personnel.
- Serving as point of contact for Maintenance-related activities with other agencies.
- Tracking and reporting the District's response to IC/ID and non-permitted, non-stormwater discharges
- Reviewing and providing comments on the SWDR to ensure compliance with Maintenance requirements.
- Reviewing stormwater programs for elements related to maintenance, evaluating BMP implementation, and effectiveness.
- Overseeing implementation of drain inlet inspection and cleaning.
- Prepare materials for the District's Maintenance portion of the Annual Report and Portal input.

Construction Coordinator

Under the general direction of the Division of Construction Deputy, the Construction Stormwater Coordinator (CSWC) is responsible for developing stormwater quality policies and guidance, and daily management of Construction's stormwater quality program. The CSWC is responsible for the proper implementation of the SWMP and the DWP within Construction. The specific tasks of the CSWC include the following:

- Working as the primary point of contact for stormwater issues during the construction phase.
- Reviewing SWPPPs and WPCPs.
- Conducting final project closeout inspections to ensure compliance with the Notice of Termination (NOTs) submittals.
- Conducting or assisting with stormwater BMP-related inspections on state, local, and encroachment permit projects.
- Submitting approved SWPPPs and other reports to the RWQCBs as requested.
- Providing oversight inspections for Construction projects, particularly tracking and implementing Stormwater Multi Application and Report Tracking System (SMARTS) requirements.
- Preparing and submitting Notices of Non-Compliance.
- Preparing and submitting IC/ID Reports for Construction projects to the District NPDES Branch Chief.
- Representing Construction in the SWAT meetings.
- Developing and administering stormwater training for Construction staff.
- Ensuring that all enforcement actions or corrections requested by the Regional Boards are promptly implemented and documented.

- Serving as the primary conduit for information during the construction phase for the RWQCBs, Headquarters Construction, and construction field staff.
- Supporting the design-related functional units in determining specific project needs and evaluation of water pollution control measures in the field.
- Reviewing SWDR to ensure compliance with construction requirements.
- Monitoring and evaluating the stormwater activities and procedures of municipalities, developers, and other agencies.
- Assisting Construction Resident Engineers with Project Registration Documents (PRD) to navigate through the SWRCB SMARTS, and obtaining coverage under the CGP (the Notice of Intent).
- Participating in the Construction to Maintenance 90-percent walkthrough and handoff for project incorporating permanent stormwater treatment facilities.
- Provide information for the District's construction portion of the Annual Report and Portal input.

Right-of-Way (ROW) Coordinator

The specific tasks of the Right-of-Way Coordinator include the following:

- Acts as liaison within ROW department and stormwater staff.
- Forward proper SWPPP and WPCP documents to NPDES/Stormwater Coordinator.
- Ensuring that stormwater training is available to ROW staff with inspection responsibilities.
- Notifying the NPDES/Stormwater Coordinator of discharge or any other situation resulting in a violation of SWMP and/or the Caltrans NPDES permit.

Culvert Inspection Representative

The specific tasks of the Culvert Inspection Representative include the following:

- Conduct culvert inspections in the field and report on culvert conditions.
- Assess the situation and offer recommendations regarding culvert issues.
- Lower Caltrans' liability by assessing and inspecting inlets and culverts to ensure that maintenance issues and structural integrity of culvert systems are addressed.

Public Affairs Coordinator

The specific tasks of the Public Affairs Coordinator include the following:

- Coordinating the Public Education Program "Don't Trash California."
- Providing input to the Annual Report regarding participating events.
- Development and distribution of Public Service Announcements regarding stormwater.

Encroachment Permits Coordinator

The specific tasks of the Encroachment Permit Coordinator include the following:

- Acts as liaison within permit applicant (entities/stakeholders) and stormwater staff.
- Preliminary engineering review, site inspection, completion of the Encroachment Permit Storm Water Assessment Form (TR-0132).
- Related activities in reviewing, monitoring, and issuing encroachment permits including meeting and communications with applicants, NPDES, and Stormwater Coordinators.

- Work closely and frequently discuss stormwater-related activities with the HQ Encroachment Permit Office.
- Inspecting and evaluating the stormwater activities and procedures of municipalities, developers, and other agencies that encroach upon or administer projects within the Caltrans ROW.

Landscape Architecture Coordinator

The specific tasks of the Landscape Architecture Coordinator include the following:

- Coordinating all landscape plans for projects ready to PS&E.
- Participating in a preparation of SWDR for landscape projects.
- Point of contact for Construction and Maintenance related to landscape issues.

Table 2-1 lists staff members responsible for implementing the Stormwater Program.

Table 2-1: District 11 Stormwater Personnel and Responsibilities

Staff Name	Title	Phone No.	E-mail	Responsibility
Carl Savage	NPDES Branch Chief	(619) 688-3626	carl.savage@dot.ca.gov	Primary contact for all District NPDES/Stormwater issues. Oversees the District NPDES/Stormwater unit and coordinates with the other functional units and RWQCBs within the District.
Roya Yazdanifard	NPDES/Stormwater Coordinators	(619) 688-3645	roya.yazdanifard@dot.ca.gov	Review adequacy of all SWDRs. Prepare and/or review NPDES Standard Special Provision recommendation and estimates to address BMPs in SWDRs. Review encroachment permit applications to ensure compliance with stormwater requirements.
Roy Santos		(619) 688-3645	roy.santos@dot.ca.gov	
Danielle Zhang		(619) 688-3645	danielle.zhang@dot.ca.gov	
Antonio Araullo		(619) 688-6436	antonio.araullo@dot.ca.gov	

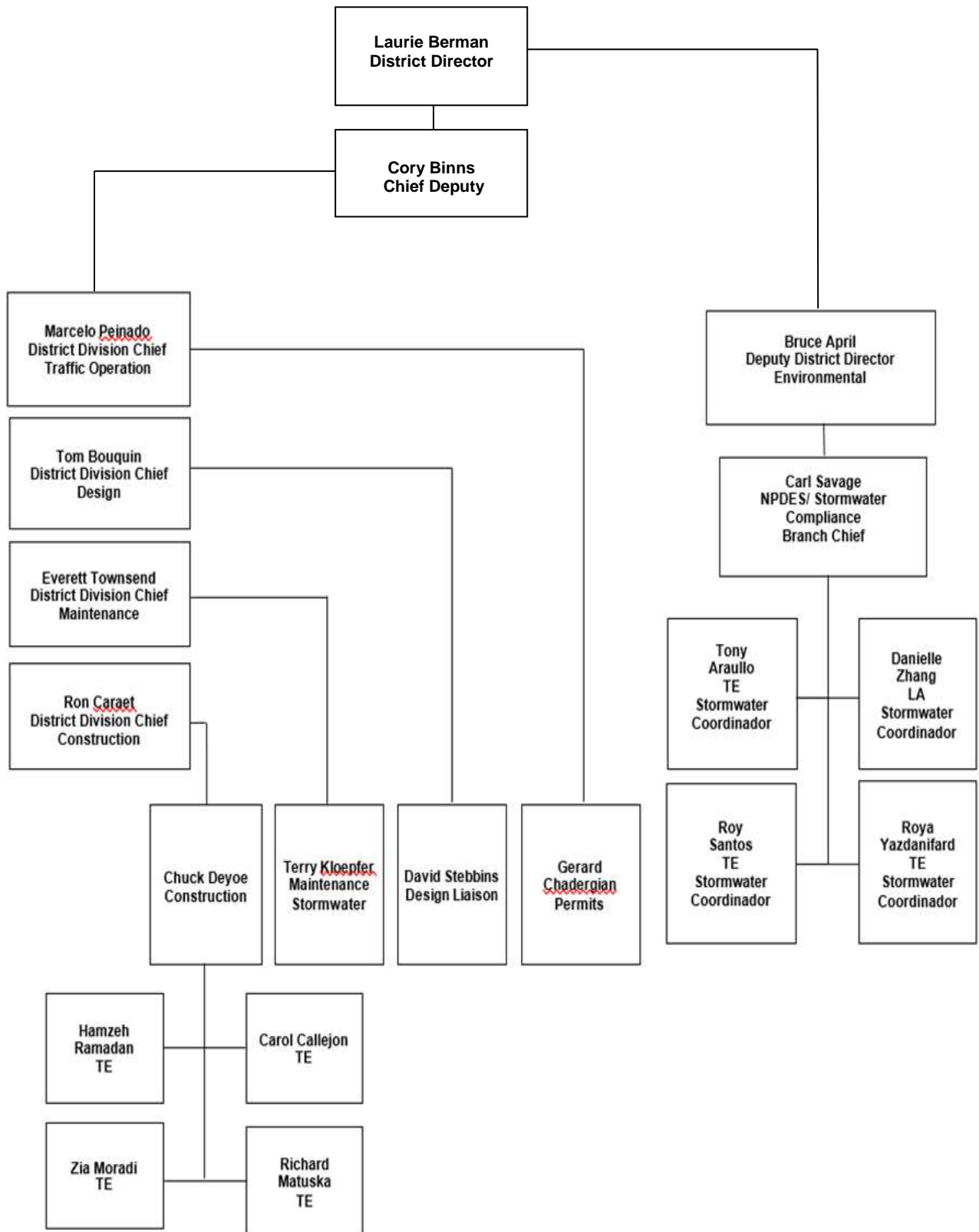
Table 2-2 lists individuals authorized to sign documents, reports, and other information submitted by the District to either the SWRCB or the RWQCB(s). These individuals/positions may delegate authorization to their staff to sign various documents and reports required for implementation of the Stormwater Program. It also includes delegation of signatory authority for key Conformed NPDES Permit and SWMP required documents.

Table 2-2: District 11 Signatory Authority for Key Documents

Position or Individual	Phone No.	E-mail	Documents Authorized for Signatures
District Director	(619) 688-6668	laurie.berman@dot.ca.gov	All District Documents, Legally Responsible Person for CGP
Chief Deputy Maintenance, Design, Engineering and Traffic Operations	(619) 688-3305	cory.binns@dot.ca.gov	All District Documents
Deputy District Director, Environmental	(619) 688-0100	bruce.april@dot.ca.gov	All District Documents except District Work Plan
NPDES Branch Chief	(619) 688-3626	carl.savage@dot.ca.gov	All District Documents except District Work Plan
Construction SW Coordinator	(858) 467-4089	chuck.deyoe@dot.ca.gov	SWPPP, NOI, NOT, Notice and Report of Non-Compliance, Discharge or threat of Discharge Notification, Incident Report Form
Maintenance SW Coordinator	(619) 688-3329	terry.kloepfer@dot.ca.gov	Notice and Report of Non-Compliance, Discharge or Threat of Discharge Notification, Report of IC/ID, Incident Report Form, FPPP

Figure 2-1 shows an organizational chart describing key persons with responsibilities for stormwater operations within the District.

Figure 2-1: District 11 Organizational Chart



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3 District Facilities and Water Bodies

Section 3 of the DWP identifies maintenance stations (including crew functions and street addresses), vista points, commercial vehicle enforcement areas, roadside rest areas, park and ride facilities, toll road and bridge plazas, equipment shops, and other Caltrans facilities. Facility Pollution Prevention Plans (FPPPs) are prepared and implemented at Maintenance facilities within the District's boundaries, such as maintenance stations, material storage facilities, and equipment shops. To comply with Department of Homeland Security policy, the table and map identifying these facilities is not available to the public. For more information, contact Caltrans' Office of Emergency Management or Division of Environmental Analysis.

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4 Drinking Water Reservoirs and Recharge Facilities

Section 4 of the DWP describes and identifies high-risk areas, which are locations where spills or other releases from District-owned rights-of-way, roadways, or facilities may discharge directly to municipal or domestic water supply reservoirs or groundwater percolation facilities. Projects that potentially drain to these high-risk areas consider project features that enhance spill response.

Drinking water reservoirs and recharge facilities are areas such as locations where spills from District-owned ROWs or facilities can discharge directly to municipal or domestic water supply reservoirs or groundwater percolation facilities. To generate the list of municipal, domestic water supply reservoirs, and groundwater percolation facilities, the District first contacted known public and private water supply providers. From the information received, the District determined which facilities were susceptible to a direct spill from a District activity or facility. This determination was based on proximity between the water body and the District's facility, use characteristics of the facility, and the probable spill response time.

When planning projects within these defined areas, District 11 considers project design features for aiding in the prevention of accidental spills that could impact the area; these features are typically commensurate with safety improvements for reducing vehicle accidents. Examples of these features may include, but are not limited to, median barrier, guardrail, signalization, and vehicle restrictions. Features considered for improving spill response time typically include elongated drainage paths, call boxes, signage, or video surveillance.

A list of drinking water reservoirs and recharge facilities within District 11 is presented in Table 4-1.

Table 4-1: District 11 Drinking Water Reservoirs and Recharge Facilities

Road Segment/ Facility	County	Regional Board	Drinking Water Reservoir or Recharge Facility Area	Description	Comments
Route 15	San Diego	9	Lake Hodges	Lake Hodges is a lake and reservoir located about 31 miles north of San Diego and just south of Escondido. When full, the reservoir has 1,234 acres, a maximum water depth of 115 feet, and 27 miles of shoreline.	No projects are planned within this facility in the upcoming year.

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5 Slopes Prone to Erosion

Section 5 of the DWP identifies the road segments within District 11 that have slopes which are prone to erosion and sediment discharge. The road segments that are located in sensitive watersheds, or where there is an existing or potential threat to water quality, will be prioritized for implementing appropriate controls to the maximum extent practicable. In each Annual Report, the status of stabilization activities where applicable will be reported. Table 5-1 is District 11's inventory of vulnerable road segments where erosion occurs and stabilization may be required, or where rock cut slopes are located and rock falls have occurred.

Table 5-1: District 11 Inventory of Road Segments Prone to Erosion

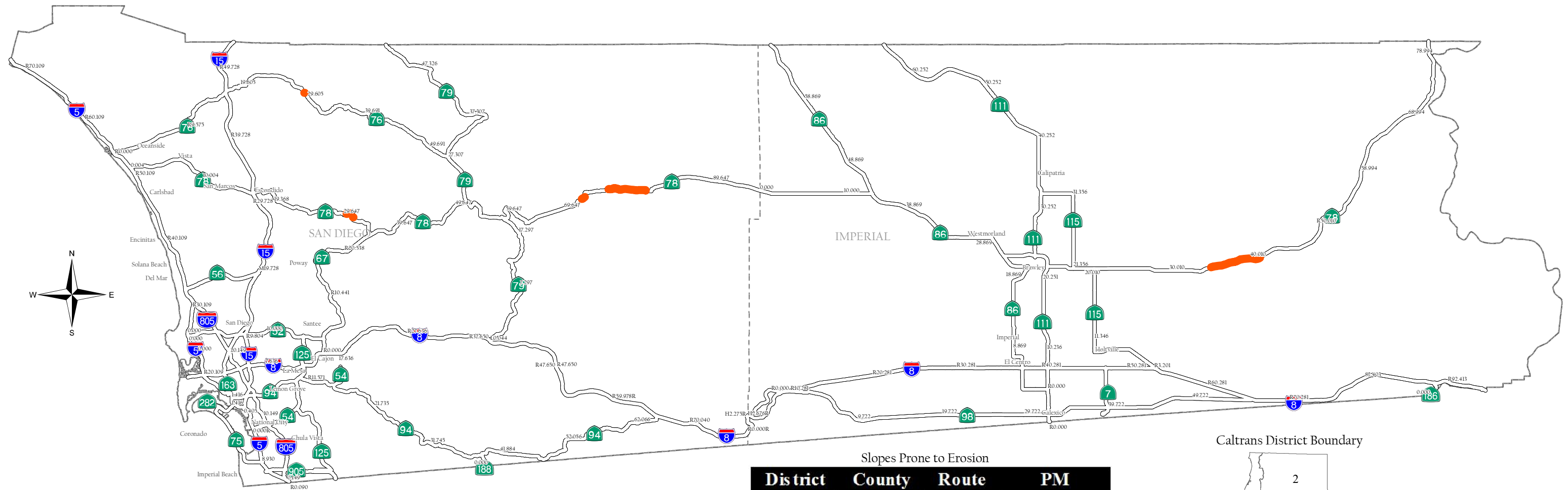
Road Segment	County	Regional Board	Watershed	Scheduled Stabilization Date
78 PM 35/41	IMP	Colorado River Basin Region 7	Salton Sea/ Colorado River	TBD
78 PM 31.5/31.5	SD	San Diego Region 9	San Dieguito River	TBD
78 PM 30.5/30.5	SD	San Diego Region 9	San Dieguito River	TBD
78 PM 72.5/73	SD	San Diego Region 9	San Diego River	TBD
78 PM 76.4/77.2	SD	San Diego Region 9	San Diego River	TBD
78 PM 76.8/81	SD	San Diego Region 9	San Diego River	TBD
78 PM 30.143/30.143	SD	San Diego Region 9	San Dieguito River	TBD
76 PM 28.99/28.99	SD	San Diego Region 9	San Luis Rey River	TBD

Figure 5-1 is a map showing California State Highway System areas that required maintenance within District 11 in 2017, including rock cut slopes, landslides, and moderate soil erosion.

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District 11

-  Areas Prone to Erosion
-  County Boundary
- Water Feature



Map indicates locations of Major/Minor storm damage repair activities conducted on three (3) consecutive years by the Division of Maintenance. Erosion data obtained from IMMS.

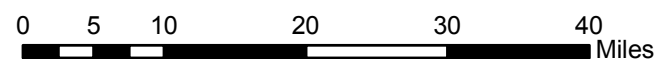
District	County	Route	PM
11	IMO	78	35/41
11	SD	76	28.99/28.99
11	SD	78	31.5/31.5
11	SD	78	30.5/30.5
11	SD	78	72.5/73
11	SD	78	76.4/77.2
11	SD	78	76.8/81
11	SD	78	30.143/30.143

Caltrans District Boundary



State of California
Department of Transportation
Division of Maintenance GIS
July 19, 2017

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6 Implementation

Section 6 of the DWP identifies the specific projects in which work is planned during the fiscal year within the Project Approval/Environmental Document (PA/ED), PS&E, and Construction development phases. The anticipated schedule of construction and maintenance projects is subject to change. These projects are limited to those meeting any of the following criteria:

1. All projects that require soil disturbing activities;
2. Adjacent to a Drinking Water or Groundwater Recharge Facility, as described in Section 4 of the DWP;
3. A supplemental environmental project;
4. Additional projects per agreement between the District and local RWQCB.

Projects listed in Table 6-1 include (where applicable):

1. Location (county, route, and post mile limits);
2. Project number (expense authorization);
3. Basic Project Description;
4. Disturbed soil area;
5. Presence of receiving waters within or adjacent to project limits, with special designation for 303(d) listed water bodies (adopted);
6. Drinking Water Reservoir or Groundwater Recharge Facility within or adjacent to project (as identified in Section 4 of the DWP);
7. Projected milestone dates of PA/ED, PS&E, begin Construction, and end Construction;
8. Description of Construction Controls;
9. Post-Construction Treatment Controls (types and quantities);
10. Dredge and fill (CWA-401) activities within the project;
11. Other Regional Water Control Board Permits Required;
12. Potential and Actual Impacts of Project's Discharge;
13. Area of New Impervious Surface;
14. Percentage of New Impervious Surface to Existing Impervious Surface.

The updated lists of projects meeting these criteria will also be provided to the RWQCB annually on October 1st. Furthermore, this section identifies planned maintenance projects with soil disturbance. Information associated with the project includes location, affected water body, and area of disturbance. In addition, this section also describes the planned stormwater monitoring activities within the District; however, these activities may be conducted jointly with other Districts and HQ. Consequently, the information contained in a DWP may be repeated in another DWP.

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Table 6-1: District 11 Anticipated Project Development and Construction Schedule

No.	EA	Project Location					Project Description ^{2,3}	Water Bodies Within or Adjacent to Project Limits ⁴	Dredge and Fill Activities (Y/N/NA) ⁵	Other Regional Water Board Permits Required ⁶	Potential and Actual Impacts of Project's Discharge ⁷	Disturbed Soil Area (acres)	Area of New Impervious Surface (acres)	Percentage of New Impervious Surface to Existing Impervious Surface	Description of Construction Controls (SWPPP/WPCP/TBD) ⁸	Post-Construction Treatment\ Control Type, Quantity ⁹	Anticipated Project Delivery Schedule		Construction Period	
		Co.	Route	Begin PM	End PM	RB ¹											PA&ED Date	PS&E Date	Start Date	End Date
1	11-41150K	SD	805	20.7	23.5	9	Roadside Safety Improvement	Tecolote Creek, Mission Bay	N	N	N	1.52	1.5	0	SWPPP	E	03/14/19	10/30/20	07/13/21	01/04/23
2	11-42480K	SD	54	0.0	6.4	9	Pavement Preservation	Sweetwater River	N	N	N	0.93	0.13	0	WPCP	E	02/03/20	09/01/21	05/05/22	11/15/23
3	11-42510K	SD	94	2.2	11.2	9	ADA Curb Ramps	Chollas Creek, San Diego Bay	N	N	N	1.4	0.2	0	SWPPP	E	07/01/19	05/29/20	12/30/20	11/01/21
4	11-304201	SD	8	5.47	5.47	9	Replace Guardrail with Concrete Barrier	Alvarado Creek	N	N	N	0	0	0	WPCP	E	-	-	-	-
5	11-409101	SD	8	49.0	49.0	9	SRRA Wastewater Treatment System Rehabilitation	Cottonwood Creek	N	N	N	2.35	0	0	SWPPP	E	03/30/16	05/07/19	11/26/19	11/04/21
6	11-2M9501	SD	52/805	Various	Various	9	Slab Replacement	San Clemente Canyon Creek	N	N	N	0	0	0	WPCP	E	06/14/16	12/05/16	05/09/17	11/10/17
7	11-410801	SD	805	15.7	17.5	9	Roadside Safety Improvement	Chollas Creek, San Diego River (Lower)	N	N	N	0.83	0	0	WPCP	E	08/14/15	12/20/16	08/04/17	09/28/18
8	11-2M9801	SD	Various	Various	Various	9	Cold Plane, Overlay	Various	N	N	N	0	0	0	WPCP	E	08/15/16	11/22/16	05/18/17	01/04/18
9	11-42780K	IMP	98	32.1	32.5	7	ADA Curb Ramps	New River	N	N	N	0.5	0	0	WPCP	E	09/23/19	05/05/21	01/10/22	12/15/22
10	11-299101	SD	76	22.2	47.1	9	Bridge Rail Upgrade	Gomez Creek, Bompas Wash Creek, West Pauma Creek, La Jolla Amago Creek, San Luis Rey River	N	N	N	0	0	0	WPCP	E	04/14/16	01/12/17	12/18/17	09/04/18
11	11-419101	SD	Various	Various	Various	9	Overhead Sign Replacement	Various	N	N	N	0	0	0	WPCP	E	05/09/16	10/31/16	09/04/17	12/11/18
12	11-420800	SD	15,56	Various	Various	9	Replace CMS Panels with AVMS	San Diego River, Lake Miramar, Lake Hodges, Los Penasquitos Creek	N	N	N	0.09	0	0	WPCP	E	03/24/17	03/15/18	02/19/19	06/08/20
13	11-414401	SD	94	5.8	9.3	9	Bridge Rail Upgrade	Chollas Creek	N	N	N	0.3	0.1	0	WPCP	E	03/09/16	03/09/17	10/27/17	11/08/18
14	11-419111	SD	Various	Various	Various	9	Overhead Sign Replacement	Various	N	N	N	0	0	0	WPCP	E	05/09/16	12/13/16	07/31/17	10/10/18
15	11-422701	SD	805	8.7	8.7	9	Pavement Resurfacing, Shoulder Modification	Chollas Creek, Paleta Creek, Paradise Creek, San Diego Bay	N	N	N	0.25	0	0	WPCP	E	11/02/15	02/04/16	03/12/21	12/12/22
16	11-42370K	SD	8	31.8	41.7	9	Pavement Rehabilitation	Loveland Reservoir	N	N	N	0.54	0	0	WPCP	E	07/13/18	05/10/19	12/04/19	04/28/21
17	11-41800K	SD	94/125	Various	Various	9	Outer Separation Barrier	Chollas Creek	N	N	N	0.4	0	0	WPCP	E	12/20/16	03/28/18	11/13/18	05/23/19
18	11-42650K	SD	5	29.0	34.2	9	Construct Rumble Strips	Los Penasquitos Creek, Los Penasquitos Lagoon	N	N	N	0.15	0.3	0	WPCP	E	09/01/19	07/15/20	04/30/21	01/30/22
19	11-408701	SD	8	9	15.3	9	Pavement Rehabilitation	Alvarado Creek, Forester Creek	N	N	N	1.16	0	0	SWPPP	E	05/31/16	01/26/17	10/30/17	12/26/19

¹ Regional Board

² Supplemental Environmental Projects designated as “SEP.”

³ Projects adjacent to Drinking Water Reservoirs or Groundwater Recharge Facilities are noted (DW) and (GW), respectively.

⁴ Water bodies with a 303(d) designation are noted in parentheses.

⁵ If yes, a 401 permit will be required for this project. NA = Not Available at this time.

⁶ Regional Water Board Permits required other than CGP and Clean Water Act Section 401 water quality certification, such as Waiver of Discharge Requirements, Dewatering Permits, Bridge Painting WDRs, etc.

⁷ This information may come from the Water Quality Assessment Report prepared for each project, a Water Quality Technical Memorandum, or other document that evaluates the water quality impacts of a project.

⁸ A description of the Construction Controls is available in the project’s SWPPP, WPCP, or is To Be Determined (TBD) if the Disturbed Soil Area is unavailable.

⁹ Treatment Control Status identified by: device type/number of devices, exempt (“E”), or under consideration (“C”). See Treatment Control Status Legend below for device type abbreviations.

Table 6-1: District 11 Anticipated Project Development and Construction Schedule

No.	EA	Project Location					Project Description ^{2,3}	Water Bodies Within or Adjacent to Project Limits ⁴	Dredge and Fill Activities (Y/N/NA) ⁵	Other Regional Water Board Permits Required ⁶	Potential and Actual Impacts of Project's Discharge ⁷	Disturbed Soil Area (acres)	Area of New Impervious Surface (acres)	Percentage of New Impervious Surface to Existing Impervious Surface	Description of Construction Controls (SWPPP/WPCP/TBD) ⁸	Post-Construction Treatment\ Control Type, Quantity ⁹	Anticipated Project Delivery Schedule		Construction Period	
		Co.	Route	Begin PM	End PM	RB ¹											PA&ED Date	PS&E Date	Start Date	End Date
20	11-2M9701	SD	8	46.6	51.9	9	Drainage Ditch Rehabilitation	Cottonwood Creek	N	N	N	0	0	0	WPCP	E	-	-	-	-
21	11-421200	SD	52	13.3	14.8	9	Install Median Barrier	Forester Creek, San Diego River (Lower)	N	N	N	0.6	0	0	WPCP	E	04/27/17	02/14/18	06/20/19	12/12/19
22	11-414801	SD	8	0.3	1.7	9	Roadside Safety Improvement	San Diego River (Lower)	N	N	N	2.7	0.95	1	SWPPP	E	04/29/16	04/07/17	11/30/17	03/31/20
23	11-292001	SD	125	9.8	12.4	9	Median Erosion Control	Sweetwater Reservoir	N	N	N	7.55	0	0	SWPPP	SA	03/30/16	01/12/17	08/14/17	09/17/19
24	11-411201	SD	805	0.3	4	9	Roadside Safety Improvement	Tijuana River	N	N	N	3.15	2.51	0.7	SWPPP	E	06/10/16	06/29/17	01/05/18	02/15/19
25	11-42980K	SD	15	Various	Various	9	Repair and Install Radar Detection Stations	Various	N	N	N	0.05	0	0	WPCP	E	04/18/18	04/17/19	12/13/19	02/03/21
26	11-41220K	SD	94	4.4	7.3	9	Roadside Safety Improvement	Chollas Creek	N	N	N	0.85	0.77	0.3	WPCP	E	08/06/19	11/26/20	09/17/21	11/11/22
27	11-406801	SD	8	0.8	0.8	9	West Mission Bay Drive Bridge No. 57C-0023 (City of San Diego)	San Diego River	N	N	N	4.2	1.1	7.6	SWPPP	Other, 3 Bioretention	-	02/28/17	09/01/17	12/31/21
28	11-42970K	SD	Various	Various	Various	9	Install and Improve VDS System	Various	N	N	N	0.88	0	0	WPCP	E	08/22/18	10/18/19	05/15/20	02/23/22
29	11-2N0020	SD	79	31.31	41.96	9	Bridge AC Overlay	San Luis Rey River	N	N	N	0.16	0	0	WPCP	E	03/17/17	06/02/17	11/17/17	02/09/18
30	11-421501	SD	Various	Various	Various	9	Bridge Deck Methacrylate and Joint Seal	Various	N	N	N	0	0	0	WPCP	E	03/14/16	03/31/17	08/31/17	09/25/18
31	11-415301	SD	163	2.5	4	9	High Friction Surface Treatment, Improve MGS and Concrete Barrier	San Diego River (Lower)	N	N	N	0.77	0.51	6.1	WPCP	E	01/05/17	02/24/17	01/29/18	07/21/19
32	11-420100	SD	5	25.9	26.8	9	NB Auxiliary Lane	Rose Creek	N	N	N	1.7	1	29	SWPPP	1 BIOSWL	05/26/17	01/31/18	03/06/19	05/30/21
33	11-41180K	SD	52	0.4	5.51	9	Roadside Safety Improvement	Rose Creek	N	N	N	2.57	1.23	4.3	SWPPP	C	07/31/19	07/31/20	07/30/21	02/28/22
34	11-292801	SD	52	3.8	6.6	9	Median Erosion Repair	Rose Canyon Creek	N	N	N	3.75	0	0	SWPPP	SA	12/29/16	06/22/17	04/13/18	11/21/18
35	11-2M0020	SD	Various	Various	Various	9	Bridge Maintenance	Various	N	N	N	0	0	0	WPCP	E	03/31/17	11/19/18	05/03/19	04/03/20
36	11-41210K	SD	8	18.7	20.4	9	Roadside Safety Improvement	Forester Creek	N	N	N	0.54	0.54	5.6	WPCP	E	07/30/20	06/04/21	01/07/22	10/20/22
37	11-42710K	SD	8	3	8.5	9	ADA Curb Ramp	Alvarado Creek, Famosa Slough, Murray Reservoir, San Diego River (Lower)	N	N	N	0.3	0.15	0.4	WPCP	E	07/15/20	08/31/21	07/15/22	01/31/23
38	11-42440K	SD	Various	Various	Various	9	High Friction Surface Treatment	Various	N	N	N	0	0	0	WPCP	E	05/10/17	02/28/18	08/21/18	06/12/19
39	11-427301	SD	125	0.9	6.9	9	Bonded Wearing Course Overlay	Poggi Canyon, Otay River	N	N	N	0.9	0	0	WPCP	E	-	04/13/17	09/07/17	07/02/18
40	11-41200K	IMP	8/111	Various	Various	7	Roadside Safety Improvement	Alamo River, Imperial Valley Drain, New River, Salton Sea, Wiest Lake	N	N	N	0.55	0.55	0	WPCP	E	08/07/20	06/18/21	12/30/21	07/01/22
41	11-257161	SD	15/76	46.2	46.8	9	Landscape Plant Establishment (plant Augmentation and on grade irrigation)	San Luis Ray	N	N	N	0	0	0	WPCP	E	01/09/12	10/06/17	04/02/18	04/22/21
42	11-41190K	SD	56	0.3	9.7	9	Roadside Safety Improvement	Los Penasquitos Creek	N	N	N	0.55	0.55	1	WPCP	E	02/11/20	09/10/21	01/27/22	01/20/23
43	11-3A0251	SD	905	6.7	8.7	9	Modifying Fencing	Tijuana River	N	N	N	0	0	0	WPCP	E	-	-	-	-
44	11-2T2601	SD	805	5.8	7.7	9	South Sound Wall	Rice Canyon	N	N	N	7.8	0	0	SWPPP	E	06/22/11	08/18/17	04/04/18	06/08/21
45	11-42380K	SD	125	13	22.3	9	Pavement Rehabilitation	Sweetwater River	N	N	N	0.92	0.76	1.46	WPCP	E	12/02/19	09/28/21	06/08/22	10/11/23

Table 6-1: District 11 Anticipated Project Development and Construction Schedule

No.	EA	Project Location					Project Description ^{2,3}	Water Bodies Within or Adjacent to Project Limits ⁴	Dredge and Fill Activities (Y/N/NA) ⁵	Other Regional Water Board Permits Required ⁶	Potential and Actual Impacts of Project's Discharge ⁷	Disturbed Soil Area (acres)	Area of New Impervious Surface (acres)	Percentage of New Impervious Surface to Existing Impervious Surface	Description of Construction Controls (SWPPP/WPCP/TBD) ⁸	Post-Construction Treatment\ Control Type, Quantity ⁹	Anticipated Project Delivery Schedule		Construction Period	
		Co.	Route	Begin PM	End PM	RB ¹											PA&ED Date	PS&E Date	Start Date	End Date
46	11-288821	SD	125/90 5/11	Various	Various	9	SB Connector	Tijuana River	N	N	N	32	8.51	TBD	SWPPP	1 BIOSWL,	07/30/04	07/21/17	03/09/18	01/23/20
47	11-42810K	SD	8	0.7	23.0	9	Drainage System Restoration	Forester Creek, Murray Reservoir, San Vicente Creek, San Diego River (Lower)	N	N	N	4	0	0	SWPPP	E	11/12/19	01/27/21	09/28/21	06/07/24
48	11-42460K	SD	Various	Various	Various	9	Upgrade Guardrail and End Treatment	Various	N	N	N	0.98	0	0	WPCP	E	07/12/19	10/16/20	05/04/21	11/15/22
49	11-405801	SD	Various	Various	Various	9	ADA Curb Ramp	San Diego Bay, Tecolote Creek, San Diego River	N	N	N	0.54	0.16	0	WPCP	E	08/09/16	11/03/17	05/25/18	05/30/19
50	11-2T241K	SD	78	0.6	13.6	9	Build HOV/Managed Lanes	Agua Hedionda Creek, Buena Creek, Buena Vista Creek, Buena Vista Lagoon, Escondido Creek, San Marcos Creek	N	Y	Y	210	85	TBD	SWPPP	C	01/21/26	01/31/30	01/07/33	TBD
51	11-2M0011	IMP	Various	Various	Various	7	Bridge Methacrylate	Various	N	N	N	0	0	0	WPCP	E	12/30/16	11/15/17	06/29/18	12/29/18
52	11-422100	SD	8	23	61.3	9	Drainage System Restoration	Los Coches Creek, Alpine Creek	N	N	N	27.55	0.1	0	SWPPP	E	02/02/18	06/17/19	03/20/20	09/09/21
53	11-42750K	SD	Various	Various	Various	9	Install Fiber Optic	Tijuana River, Sweetwater River	N	N	N	2.2	0	0	SWPPP	E	02/08/19	04/10/20	03/29/21	04/19/24
54	11-43013K	SD	163	1.6	2.8	9	Bridge Rail Replacement	San Diego Bay, San Diego River (Lower)	N	N	N	0.94	0	0	WPCP	E	07/29/22	01/24/25	07/11/25	02/10/28
55	11-26410K	SD	8	2.2	2.2	9	Bridge Rail Replacement	San Diego River (Lower)	N	N	N	0.4	0	0	WPCP	E	07/02/19	09/25/20	03/11/21	08/30/22
56	11-42230K	SD	78	0	16.5	9	Culvert Rehabilitation	Buena Creek, Buena Vista Creek, Buena Vista Lagoon, San Marcos Creek	N	N	N	1.35	0	0	SWPPP	E	03/18/20	10/08/21	06/13/22	02/07/25
57	11-43017K	SD	5	47	48	9	Construct Auxiliary Lane	Agua Hedionda Creek	N	N	N	1.5	0.6	10.9	SWPPP	E	02/25/20	02/28/21	02/18/22	11/30/23
58	11-279253	SD	76	13.9	14.7	9	Rincon Mitigation Habitat Restoration	San Luis Rey River	N	N	N	0.2	0	0	WPCP	E	-	06/22/17	08/01/17	03/31/18
59	11-42900K	SD	805	3.5	13.1	9	ADA Curb Ramps	Paradise Creek, San Diego Bay, Sweetwater Reservoir, Sweetwater River	N	N	N	0.36	0.03	0	WPCP	E	07/15/20	08/31/21	07/15/22	07/31/23
60	11-397901	IMP	86	1.8	1.8	7	ADA Curb Ramps	Imperial Valley Drain	N	N	N	0.16	0.16	0	WPCP	E	-	06/26/17	10/01/17	12/01/17

Treatment Control Status Legend	
BMP Device Types:	
BIOSTP	Biofiltration Strips
BIOSWL	Biofiltration Swales
C	Under Consideration
CNTBOX	Gross Solids Removal Devices (Inclined Screen)
DETBAS	Detention Basins
DPPIA	Design Pollution Prevention Infiltration Area*
DWFD	Dry Weather Flow Diversion
E	Exempt
INDBAS	Infiltration Basins*
INDTRE	Infiltration Trench*
LNGTBE	Gross Solids Removal Devices (Linear Radial)
MCTT	Multi-Chambered Treatment Trains
MF-ADS	Austin Sand Filters
MF-DSF	Delaware Sand Filters
Other	Other (specify type)
SA	Stabilization Areas
TRCSND	Traction Sand Traps
WETBAS	Wet Basins

* Water quality volume (WQV) infiltrates within the right-of-way. (When this is demonstrated for at least 90 percent of the WQV, other types of treatment BMPs are not considered unless there is a location-specific requirement.)

Table 6-2 lists the planned maintenance projects that will disturb soil.

Table 6-2: District 11 Anticipated Significant Road Maintenance Activities

No.	Co.	Route	Beg PM	End PM	Regional Board	Description	Water Bodies Affected ¹⁰	Other Regional Water Board Permits Required ¹¹	Potential and Actual Impacts of Project's Discharge ¹²	Disturbed Soil Area (acres)	Area of New Impervious Surface (acres)	Percentage of New Impervious Surface to Existing Impervious Surface	Description of Construction Controls (SWPPP/WPCP/TBD/NA) ¹³	Post-Construction Treatment Control Type, Quantity ¹⁴	Start Date	Completion Date
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Treatment Control Status Legend	
BMP Device Types:	
BIOSTP	Biofiltration Strips
BIOSWL	Biofiltration Swales
C	Under Consideration
CNTBOX	Gross Solids Removal Devices (Inclined Screen)
DETBAS	Detention Basins
DPPIA	Design Pollution Prevention Infiltration Area*
DWFD	Dry Weather Flow Diversion
E	Exempt
INDBAS	Infiltration Basins*
INDTRE	Infiltration Trench*
LNGTBE	Gross Solids Removal Devices (Linear Radial)
MCTT	Multi-Chambered Treatment Trains
MF-ADS	Austin Sand Filters
MF-DSF	Delaware Sand Filters
Other	Other (specify type)
SA	Stabilization Areas
TRCSND	Traction Sand Traps
WETBAS	Wet Basins

* WQV infiltrates within the right-of-way. (When this is demonstrated for at least 90 percent of the WQV, other types of treatment BMPs are not considered unless there is a location-specific requirement.)

¹⁰ Receiving waters within or adjacent to maintenance activity designated as “303(d) (constituent type).” Activity adjacent to Drinking Water Reservoir or Groundwater Recharge Facilities designated as “DW.”
¹¹ Regional Water Board Permits required other than CGP, such as Clean Water Act Section 401 water quality certification, Waiver of Discharge Requirements, Dewatering Permits, Bridge Painting WDRs, etc.
¹² This information may come from the Water Quality Assessment Report prepared for each project, a Water Quality Technical Memorandum, or other document that evaluates the water quality impacts of a project.
¹³ A description of the Construction Controls is available in the project’s SWPPP, WPCP, is To Be Determined (TBD) if the Disturbed Soil Area is unavailable, or is Not Applicable (NA) because there is no Disturbed Soil Area associated with the project.
¹⁴ Treatment Control Status identified by: device type/number of devices, exempt (“E”), or under consideration (“C”). See Treatment Control Status Legend below for device type abbreviations.

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Table 6-3 lists the District's planned monitoring activities.

Table 6-3: District 11 Monitoring Activities

Statewide Monitoring Program Activities
<p>The District's monitoring plans include the following:</p> <ul style="list-style-type: none"> • Chollas Creek: <ul style="list-style-type: none"> ○ Continue implementing the monitoring plan for Chollas Creek for the Dissolved Copper, Lead and Zinc TMDL; ○ Characterize Caltrans' discharges to Chollas Creek; ○ Demonstrate compliance toward achieving waste load allocations identified in the TMDL; ○ Conduct post-construction monitoring in areas where treatment BMPs have been implemented; ○ Develop a monitoring plan scope that meets the requirements of the permit in cooperation with the RWQCB (Region 9). • Rainbow Creek: <ul style="list-style-type: none"> ○ Reduction to the frequency of further monitoring to every 5 years based on direction from the San Diego RWQCB (Region 9). ○ Next monitoring period will be October 1, 2020, to September 30, 2021, and the next monitoring report will be submitted to the San Diego RWQCB on January 31, 2022. • Continue to advocate future monitoring in areas where porous shoulder treatment BMPs will be implemented.
<i>ASBS Core Monitoring Sites</i>
<ul style="list-style-type: none"> • District sites include the following: <ul style="list-style-type: none"> ○ NA
<i>ASBS Ocean Receiving Water and Reference Monitoring Sites</i>
<ul style="list-style-type: none"> • District sites include the following: <ul style="list-style-type: none"> ○ NA

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7 Region-Specific Activities

Region-specific requirements are not applicable to District 11.

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8 DWP Noncompliance and Improvements

No DWP noncompliance incidents or improvements were identified for District 11.

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